



1

SEQUENCE LISTING

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TECH CENTER 1600/2900

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SCHATZ, PETER JOSEPH

<120> COMPOUNDS HAVING AFFINITY FOR THE GRANULOCYTE-COLONY
STIMULATING FACTOR RECEPTOR (G-CSFR) AND ASSOCIATED
USES

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<140> 09/620,091
<141> 2000-07-20

<160> 491

<170> PatentIn Ver. 2.1

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Cys	Leu	Glu	Glu	Ile	Met	Trp	Leu	Cys	Cys
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Cys Ser Val Glu Val Met Gln Met Cys Cys
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Cys Val Pro Trp Thr Leu Phe Asp Leu Cys
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Cys	Asp	His	Trp	Met	Trp	Tyr	Asp	Lys	Cys
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Gly	Cys	Asn	Arg	Glu	Ile	Glu	Ala	Met	Cys	Cys	Gly
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<400> 77

Pro	Cys	Asp	Pro	Trp	Met	Phe	Phe	Asp	Met	Cys	Glu	Arg	Trp
1				5					10				

<210> 78

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 78

Leu	Arg	Gly	Cys	Asp	Pro	Trp	Ile	Trp	Tyr	Asp	Leu	Cys	Pro	Ala	Val
1				5					10					15	

<210> 79

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 79

Gly	Tyr	Leu	Cys	Asp	Pro	Trp	Ile	Phe	Tyr	Asp	Arg	Cys	Leu	Gly	Phe
1				5					10					15	

<210> 80

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 80

Arg	Phe	Ala	Cys	Asp	Pro	Trp	Val	Phe	Phe	Asp	Ile	Cys	Gly	Tyr	Trp
1				5					10					15	

<210> 81

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 81

Gly	Tyr	Trp	Cys	Asp	Pro	Trp	Thr	Tyr	Tyr	Asp	Leu	Cys	Leu	Thr	Ala
1				5					10					15	

<210> 82

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 82

Met	Trp	Thr	Cys	Asp	Pro	Trp	Ile	Phe	Tyr	Asp	Arg	Cys	Phe	Leu	Asn
1				5					10					15	

<210> 83

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 83

Gly	Ser	Ser	Cys	Asp	Pro	Trp	Leu	Phe	Tyr	Asp	Leu	Cys	Leu	Leu	Asp
1				5					10					15	

<210> 84

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 84

Gly	Gly	Gly	Cys	Asp	Pro	Trp	Val	Trp	Tyr	Asp	Leu	Cys	Trp	Cys	Asp
1				5					10					15	

<210> 85

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 85

Tyr	Thr	Ser	Cys	Asp	Pro	Trp	Ile	Phe	Phe	Asp	Arg	Cys	Met	Ser	Val
1				5					10					15	

<210> 86

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 86

Asp	Pro	Tyr	Cys	Asp	Pro	Trp	Met	Phe	Phe	Asp	Gln	Cys	Ala	Tyr	Leu
1				5					10					15	

<210> 87

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 87

Arg Glu Phe Cys Asp Pro Trp Leu Trp Tyr Asp Arg Cys Leu
1 5 10

<210> 88

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 88

Asn Thr Gly Cys Asp Val Trp Val Trp Tyr Asp Gln Cys Phe Ala Met
1 5 10 15

<210> 89

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 89

Leu Val Phe Cys Asp Pro Trp Ile Tyr Tyr Asp Leu Cys Met Asp Thr
1 5 10 15

<210> 90

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 90

Gly Cys Ser Phe Val Gln Leu Asn Ser Ile Cys Gly
1 5 10

<210> 91

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 91

Gly Cys Pro Ala Trp Tyr Leu Glu Tyr Met Cys Gly
1 5 10

<210> 92

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 92

Gly Cys Pro Asp Trp Tyr Leu Glu Tyr Met Cys Gly
1 5 10

<210> 93

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 93

Gly Cys Lys Tyr Trp Gln Trp Phe Asp Lys Cys Gly
1 5 10

<210> 94

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 94

Gly Cys Asp His Trp Met Trp Tyr Asp Lys Cys Gly
1 5 10

<210> 95

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 95

Ser Asn Glu Ser Gly Trp Val Trp Leu
1 5

<210> 96

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 96

Gln Ser Asn Ser Gly Trp Val Trp Val
1 5

<210> 97

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 97

Arg Thr Glu Ser Gly Trp Val Trp Thr
1 5

<210> 98

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 98

Arg Ala Asn Ser Gly Trp Val Trp Val
1 5

<210> 99

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 99

Tyr Asp Asn Ser Gly Trp Val Trp His
1 5

<210> 100

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 100

Leu Ser Asp Ser Gly Trp Val Trp Val Pro
1 5 10

<210> 101

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 101

Glu Gln Ser Asn Ser Gly Trp Val Trp Val Gly Gly Gly Gly Cys
1 5 10 15

<210> 102

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 102

Cys Glu Gln Ser Asn Ser Gly Trp Val Trp Val
1 5 10

<210> 103

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 103

Glu	Gln	Ser	Asn	Ser	Gly	Trp	Val	Trp	Val	Gly	Gly	Gly	Gly	Cys	Lys
1				5					10					15	

Lys Lys

<210> 104

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 104

Glu	Gln	Ser	Asn	Ser	Gly	Trp	Val	Trp	Val	Gly	Lys	Lys	Lys	Cys
1				5					10				15	

<210> 105

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 105

Glu	Gln	Ser	Asn	Ser	Gly	Trp	Val	Trp	Val	Gly	Lys	Lys	Lys
1				5					10				

<210> 106

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 106

Lys	Lys	Lys	Glu	Gln	Ser	Asn	Ser	Gly	Trp	Val	Trp	Val
1					5					10		

<210> 107

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 107

Glu	Gln	Ser	Asn	Ser	Gly	Trp	Val	Trp	Val	Gly	Lys	Lys	Lys	Ser	Lys
1				5					10					15	

Lys Lys

<210> 108

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 108

Glu	Gln	Ser	Asn	Ser	Gly	Trp	Val	Trp	Val	Gly	Gly	Cys	Lys	Lys	Lys
1				5					10					15	

<210> 109

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 109

Glu	Gln	Ser	Asn	Ser	Gly	Trp	Val	Trp	Val	Gly	Gly	Gly	Gly	Gly	Gly
1				5					10					15	

Cys	Lys	Lys	Lys
			20

<210> 110

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 110

Ser	Asn	Glu	Ser	Gly	Trp	Val	Trp	Leu	Pro
1				5					10

<210> 111
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 111
 Glu Gln Ser Asn Ser Gly Trp Val Trp Val
 1 5 10

<210> 112
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 112
 Ser Arg Thr Glu Ser Gly Trp Val Trp Thr
 1 5 10

<210> 113
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 113
 Gln Arg Ala Asn Ser Gly Trp Val Trp Val
 1 5 10

<210> 114
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 114
 Asp Tyr Asp Asn Ser Gly Trp Val Trp His
 1 5 10

<210> 115
 <211> 15

<212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 115
 Glu Gln Ser Asn Ser Gly Trp Val Trp Val Gly Lys Lys Lys Lys
 1 5 10 15

<210> 116
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 116
 Glu Gln Ser Asn Ser Gly Trp Val Trp Val Gly Gly Gly Gly Ser Lys
 1 5 10 15

Lys Lys

<210> 117
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 117
 Glu Gln Ser Asn Ser Gly Trp Val Trp Val Gly Gly Gly Gly Ser
 1 5 10 15

<210> 118
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 118
 Glu Gln Ser Asn Ser Gly Trp Val Trp Val Gly Gly Gly Gly Ser Glu
 1 5 10 15

Gln Ser Asn Ser Gly Trp Val Trp Val Gly Gly Gly Gly Ser
 20 25 30

<210> 119
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 119
Arg Tyr Gln Ser Phe Glu Leu Ser Asp Ser Gly Trp Val Trp Val Pro
1 5 10 15

Val Ala Arg His
20

<210> 120
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 120
Glu Arg Asp Trp Phe Cys
1 5

<210> 121
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 121
Glu Arg Asp Trp Gly Cys
1 5

<210> 122
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 122
Glu Arg Leu Trp Phe Cys
1 5

<210> 123
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 123
Glu Arg Ser Tyr Phe Cys
1 5

<210> 124
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 124
Glu Arg Gly Trp Phe Cys
1 5

<210> 125
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 125
Glu Arg Glu Trp Phe Cys
1 5

<210> 126
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 126

Glu Arg Ala Trp Phe Cys

1

5

<210> 127

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 127

Glu Arg Leu Tyr Phe Cys

1

5

<210> 128

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 128

Glu Arg Tyr Phe Met Cys

1

5

<210> 129

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 129

Glu Arg Leu Phe Leu Cys

1

5

<210> 130

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 130
Glu Arg Ala Leu Met Cys
1 5

<210> 131
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 131
Glu Arg Asp Val Met Cys
1 5

<210> 132
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 132
Glu Arg Lys Trp Phe Cys
1 5

<210> 133
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 133
Glu Thr Trp Gly Glu Arg Asp Trp Phe Cys
1 5 10

<210> 134
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 134

Glu Thr Trp Gly Glu Arg Asp Trp Gly Cys
1 5 10

<210> 135

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 135

Ser Thr Ala Glu Arg Leu Trp Phe Cys Gly
1 5 10

<210> 136

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 136

Tyr Glu Thr Ala Glu Arg Ser Tyr Phe Cys
1 5 10

<210> 137

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 137

Ala Asp Asn Ala Glu Arg Gly Trp Phe Cys
1 5 10

<210> 138

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 138

Gln Ser Asn Ser Glu Arg Glu Trp Phe Cys
1 5 10

<210> 139

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 139

Ser Thr Ser Glu Arg Ala Trp Phe Cys Gly
1 5 10

<210> 140

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 140

Ala Ser Trp Ser Glu Arg Gly Trp Phe Cys
1 5 10

<210> 141

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 141

Glu Leu Ser Ser Glu Arg Glu Trp Phe Cys
1 5 10

<210> 142

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 142

Asp Met Gln Gly Glu Arg Gly Trp Phe Cys
1 5 10

<210> 143

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 143

Ser Ser Ser Glu Arg Ala Trp Phe Cys Gly
1 5 10

<210> 144

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 144

Gly Asn Met Arg Glu Arg Leu Tyr Phe Cys
1 5 10

<210> 145

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 145

Gln Pro Asn Arg Glu Arg Tyr Phe Met Cys
1 5 10

<210> 146

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 146

Ser Val Thr Arg Glu Arg Leu Phe Leu Cys
1 5 10

<210> 147

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 147

Ile Pro Leu Ser Glu Arg Ala Leu Met Cys Ser Ser Trp Asn Cys
1 5 10 15

<210> 148

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 148

Trp Ala Arg Ser Glu Arg Asp Val Met Cys Leu Ser Tyr Val Cys
1 5 10 15

<210> 149

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 149

Gln Ser Asn Ser Glu Arg Glu Trp Phe Cys Gly
1 5 10

<210> 150

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 150

Gln	Ser	Asn	Ser	Glu	Arg	Glu	Trp	Phe	Cys	Gly	Gly	Gly	Gly	Ser
1				5					10					15

<210> 151

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 151

Asn	Leu	Glu	Glu	Ala	Leu	Ala	Gln	Glu	Arg	Leu	Trp	Phe	Cys	Arg	Ser
1				5					10					15	

Gly Asn Cys

<210> 152

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 152

Asn	Leu	Glu	Ser	Tyr	Glu	Met	Glu	Glu	Arg	Lys	Trp	Phe	Cys	Lys	Met
1				5					10					15	

Phe Ser Cys

<210> 153

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 153

Asp	Met	Val	Tyr	Ala	Tyr	Pro	Pro	Trp
1				5				

<210> 154

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 154

Glu Met Val Tyr Thr Val Pro Tyr Trp
1 5

<210> 155

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 155

Asp Met Val Tyr Ala Tyr Pro Pro Trp Ser
1 5 10

<210> 156

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 156

Asp Glu Met Val Tyr Thr Val Pro Tyr Trp
1 5 10

<210> 157

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 157

Cys Glu Ser Arg Leu Val Glu Cys Ser Arg Met Cys
1 5 10

<210> 158

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 158

Cys Glu Thr Tyr Met Thr Tyr Val Tyr Trp Leu Cys
1 5 10

<210> 159

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 159

Cys Gly Glu Arg Leu Ala Glu Cys Ala Arg Leu Cys
1 5 10

<210> 160

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 160

Cys Glu Ser Arg Leu Arg Glu Cys Ser Met Leu Cys
1 5 10

<210> 161

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 161

Cys Glu Ala Arg Leu Ser Glu Cys Ser Arg Ile Cys
1 5 10

<210> 162

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 162

Cys	Pro	Ala	Arg	Leu	Leu	Glu	Cys	Ser	Arg	Met	Cys
1				5						10	

<210> 163

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 163

Cys	Glu	Ser	Val	Gly	Val	Gly	Asp	Trp	Trp	Ser	Cys
1				5						10	

<210> 164

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 164

Cys	Glu	Asp	Arg	Leu	Val	Glu	Gly	Pro	Trp	Val	Cys
1				5						10	

<210> 165

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 165

Cys	Asn	Asp	Gln	Phe	Arg	Thr	Cys	Val	Asp	Val	Cys
1				5						10	

<210> 166

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 166

Cys Arg Gly Glu Trp Trp Glu Leu Tyr His Pro Cys
1 5 10

<210> 167

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 167

Cys Glu Asp Thr Arg Thr Gly Trp Ala Trp Ser Cys
1 5 10

<210> 168

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 168

Cys Thr Trp Leu Ser Ser Gly Glu Leu Val Trp Cys
1 5 10

<210> 169

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 169

Cys Trp Pro Pro Val Cys Glu Val Ser Gly Ile Cys
1 5 10

<210> 170

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 170

Cys Ser Leu Ser Pro Ile Gln Leu Gln His Leu Cys
1 5 10

<210> 171

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 171

Cys Leu Ala Arg Leu Glu Glu Cys Ser Arg Phe Cys
1 5 10

<210> 172

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 172

Cys His Asn Ser Ser Pro Met Val Gly Val Thr Cys
1 5 10

<210> 173

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 173

Cys His Val Ser Pro Val Gln Ile Lys Ala Leu Cys
1 5 10

<210> 174

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 174

Cys Ala Ala Pro Ala Thr Ser Trp Phe Gln Tyr Cys
1 5 10

<210> 175

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 175

Cys Ala Ser Lys Leu His Glu Cys Ser Leu Arg Cys
1 5 10

<210> 176

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 176

Cys Glu Pro Met Asp Ser Asn Gly Ile Val Gln Cys
1 5 10

<210> 177

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 177

Cys Gln Tyr Ala Ser Ala Ala Asp Glu Gln Arg Cys
1 5 10

<210> 178

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 178

Cys Glu Tyr Trp Asp Glu Pro Ser Leu Ser Trp Cys
1 5 10

<210> 179

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 179

Cys Glu Arg Glu Cys Phe Gln Met Leu Glu Arg Cys
1 5 10

<210> 180

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 180

Cys Gly Met Ser Thr Asp Glu Leu Asp Glu Ile Cys
1 5 10

<210> 181

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 181

Cys Tyr Val Ser Pro Ser Thr Gly Leu Tyr Ser Cys
1 5 10

<210> 182

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 182

Cys Glu Ala Arg Leu Val Glu Cys Ser Arg Leu Cys
1 5 10

<210> 183

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 183

Cys Glu Ser Arg Leu Ser Glu Cys Ser Arg Met Cys
1 5 10

<210> 184

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 184

Cys Glu Leu Lys Leu Gln Glu Cys Ala Arg Arg Cys
1 5 10

<210> 185

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 185

Cys Glu Leu Lys Leu Gln Glu Ala Ala Arg Arg Cys
1 5 10

<210> 186

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 186

Cys Leu Glu Arg Leu Glu Glu Cys Ser Arg Phe Cys
1 5 10

<210> 187

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 187

Gly Gly Cys Glu Ser Arg Leu Val Glu Cys Ser Arg Met Cys
1 5 10

<210> 188

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 188

Gly Gly Cys Glu Thr Tyr Met Thr Tyr Val Tyr Trp Leu Cys
1 5 10

<210> 189

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 189

Glu Trp Leu Cys Glu Ser Val Gly Val Gly Asp Trp Trp Ser Cys
1 5 10 15

<210> 190

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 190

Tyr	His	Pro	Cys	Glu	Asp	Arg	Leu	Val	Glu	Gly	Pro	Trp	Val	Cys	Cys
1				5					10					15	

Arg Ser

<210> 191

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 191

Trp	Leu	Leu	Cys	Asn	Asp	Gln	Phe	Arg	Thr	Cys	Val	Asp	Val	Cys	Asp
1				5					10					15	

Asn Val

<210> 192

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 192

Ile	Ala	Glu	Cys	Arg	Gly	Glu	Trp	Trp	Glu	Leu	Tyr	His	Pro	Cys	Leu
1				5					10					15	

Ala Ala

<210> 193

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 193

Thr	Trp	Tyr	Cys	Glu	Asp	Thr	Arg	Thr	Gly	Trp	Ala	Trp	Ser	Cys	Leu
1				5					10					15	

Glu Leu

<210> 194
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 peptide

<400> 194

Gln Leu Asp Cys Thr Trp Leu Ser Ser Gly Glu Leu Val Trp Cys Ser
 1 5 10 15

Asp Trp

<210> 195
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 peptide

<400> 195

Gln Phe Asp Cys Thr Trp Leu Ser Ser Gly Glu Leu Val Trp Cys Ser
 1 5 10 15

Asp Trp

<210> 196
 <211> 13
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 peptide

<400> 196

Cys Trp Pro Pro Val Cys Glu Val Ser Gly Ile Cys Ser
 1 5 10

<210> 197
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 197

Cys Gly Cys Ser Leu Ser Pro Ile Gln Leu Gln His Leu Cys
1 5 10

<210> 198

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 198

Cys Gly Cys His Val Ser Pro Val Gln Ile Lys Ala Leu Cys
1 5 10

<210> 199

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 199

Gly Cys His Val Ser Pro Val Gln Ile Lys Ala Leu Cys
1 5 10

<210> 200

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 200

Gly Thr Ser Cys Ala Ala Pro Ala Thr Ser Trp Phe Gln Tyr Cys Val
1 5 10 15

Leu Pro

<210> 201

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 201

Arg	Met	Asp	Cys	Ala	Ser	Lys	Leu	His	Glu	Cys	Ser	Leu	Arg	Cys	Ala
1					5				10					15	

Tyr Ala

<210> 202

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 202

Gly	Val	Val	Cys	Glu	Pro	Met	Asp	Ser	Asn	Gly	Ile	Val	Gln	Cys	Ser
1					5					10				15	

Met Arg

<210> 203

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 203

Ile	Asp	Val	Cys	Gln	Tyr	Ala	Ser	Ala	Ala	Asp	Glu	Gln	Arg	Cys	Leu
1					5					10				15	

Arg Ile

<210> 204

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 204

Asn Val Leu Cys Glu Tyr Trp Asp Glu Pro Ser Leu Ser Trp Cys Leu
 1 5 10 15

Ser Ser

<210> 205

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 peptide

<400> 205

Cys Gln Cys Glu Arg Glu Cys Phe Gln Met Leu Glu Arg Cys
 1 5 10

<210> 206

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 peptide

<400> 206

Phe Cys Ser Cys Gly Met Ser Thr Asp Glu Leu Asp Glu Ile Cys Ala
 1 5 10 15

Ile Trp

<210> 207

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 peptide

<400> 207

Glu Glu Val Cys Tyr Val Ser Pro Ser Thr Gly Leu Tyr Ser Cys Tyr
 1 5 10 15

Asp Gln

<210> 208

<211> 17

<212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 208
 Leu Leu Asp Ile Cys Glu Leu Lys Leu Gln Glu Cys Ala Arg Arg Cys
 1 5 10 15

Asn

<210> 209
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 209
 Gly Gly Gly Leu Leu Asp Ile Cys Glu Leu Lys Leu Gln Glu Cys Ala
 1 5 10 15

Arg Arg Cys Asn
 20

<210> 210
 <211> 23
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 210
 Gly Arg Thr Gly Gly Gly Leu Leu Asp Ile Cys Glu Leu Lys Leu Gln
 1 5 10 15

Glu Cys Ala Arg Arg Cys Asn
 20

<210> 211
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 211

Leu Gly Ile Glu Gly Arg Thr Gly Gly Gly Leu Leu Asp Ile Cys Glu
 1 5 10 15

Leu Lys Leu Gln Glu Cys Ala Arg Arg Cys Asn
 20 25

<210> 212

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 212

Leu Leu Asp Ile Cys Glu Leu Lys Leu Gln Glu Ala Ala Arg Arg Cys
 1 5 10 15

Asn

<210> 213

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 213

Lys Leu Leu Asp Ile Cys Glu Leu Lys Leu Gln Glu Ala Ala Arg Arg
 1 5 10 15

Cys Asn

<210> 214

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 214

Glu Glu Lys Leu Arg Glu Cys Ala Arg
 1 5

<210> 215

<211> 9

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 215
Glu Ala Arg Leu Ala Glu Cys Ala Arg
1 5

<210> 216
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 216
Cys Met Lys Leu Met Glu Cys Ala Arg
1 5

<210> 217
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 217
Glu Leu Arg Leu Arg Glu Cys Ala His
1 5

<210> 218
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 218
Glu Ala Lys Leu His Glu Cys Ala Arg
1 5

<210> 219
<211> 9
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 219

Glu Leu Lys Leu Ala Glu Cys Ala Arg
1 5

<210> 220

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 220

Glu Ala Arg Leu Glu Glu Cys Ala Arg
1 5

<210> 221

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 221

Glu Ala Lys Leu Arg Glu Cys Ala Arg
1 5

<210> 222

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 222

Glu Leu Arg Leu Ala Glu Cys Ala Arg
1 5

<210> 223

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 223

Glu Ser Arg Leu Ala Glu Cys Ala Arg
1 5

<210> 224

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 224

Glu Ala Lys Leu Val Glu Cys Ala Arg
1 5

<210> 225

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 225

Glu Ser Arg Leu Arg Glu Cys Ala Arg
1 5

<210> 226

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 226

Glu Ala Lys Leu Ala Glu Cys Ala Arg
1 5

<210> 227

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 227

Gln Trp Arg Leu Glu Glu Cys Ala Arg
1 5

<210> 228

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 228

Gln Leu Arg Leu Glu Glu Cys Ala Arg
1 5

<210> 229

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 229

Glu Leu Arg Leu Glu Glu Cys Ala Arg
1 5

<210> 230

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 230

Glu Ala Lys Leu Leu Glu Cys Ala Arg
1 5

<210> 231

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 231

Glu Ala Arg Ala Gly Val Cys Ala Gly
1 5

<210> 232

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 232

Glu Ala Lys Ala Gly Val Cys Ala Gly
1 5

<210> 233

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 233

Val Ala Arg Leu Glu Glu Cys Ala Arg
1 5

<210> 234

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 234

Glu Leu Lys Leu Asp Glu Cys Ala Arg
1 5

<210> 235

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 235

Glu Trp Arg Leu Gln Glu Cys Ala Arg
1 5

<210> 236

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 236

Glu Ala Lys Leu Ser Glu Cys Ala Arg
1 5

<210> 237

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 237

Glu Ala Arg Leu Ser Glu Cys Ala Arg
1 5

<210> 238

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 238

Glu Leu Lys Leu Leu Glu Cys Ala Arg
1 5

<210> 239

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 239

Glu Leu Arg Leu Gln Glu Cys Gly Arg
1 5

<210> 240

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 240

Glu Gln Lys Leu Ala Glu Cys Ala Arg
1 5

<210> 241

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 241

Glu Leu Arg Leu Gln Glu Cys Ala Arg
1 5

<210> 242

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 242

Glu Leu Lys Leu Glu Glu Cys Ala Arg
1 5

<210> 243

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 243

Glu Ser Arg Leu Glu Glu Cys Ala Arg
1 5

<210> 244

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 244

Glu Ala Thr Val Gln Glu Cys Ala Arg
1 5

<210> 245

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 245

Glu Leu Lys Leu Gln Glu Cys Ala Arg
1 5

<210> 246

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 246

Tyr Ser Arg Leu Glu Glu Cys Gly Arg
1 5

<210> 247

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 247

Glu Leu Arg Leu Arg Glu Cys Ala Leu
1 5

<210> 248

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 248

Glu Ala Arg Leu Leu Glu Cys Ala Arg
1 5

<210> 249

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 249

Glu Ser Arg Leu Leu Glu Cys Ala Arg
1 5

<210> 250

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 250

Val Leu Lys Leu Glu Glu Cys Ala Arg
1 5

<210> 251

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 251

Glu Ser Lys Leu Ala Glu Cys Ala Arg
1 5

<210> 252

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 252

Glu Ser Lys Leu Arg Glu Cys Ala Arg
1 5

<210> 253

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 253

Glu Tyr Lys Leu Gly Glu Cys Ala Arg
1 5

<210> 254

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 254

Glu Ser Arg Leu Gln Glu Cys Ala Arg
1 5

<210> 255

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 255

Gln Ala Arg Leu Ala Glu Cys Ala Arg
1 5

<210> 256

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 256

Glu Leu Lys Lys Gln Glu Cys Ala Arg
1 5

<210> 257

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 257

Glu Ser Arg Leu Ser Glu Cys Ala Arg
1 5

<210> 258

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 258

Glu Ala Arg Leu Glu Glu Cys Gly Arg
1 5

<210> 259

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 259

Glu Ser Arg Leu Ala Glu Cys Gly Arg
1 5

<210> 260

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 260

Glu Trp Arg Leu Glu Glu Cys Ala Arg
1 5

<210> 261

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 261

Glu Ala Arg Leu Ser Glu Cys Gly Arg
1 5

<210> 262

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 262

Ala Ala Arg Leu Ala Glu Cys Ala Arg
1 5

<210> 263

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 263

Glu Trp Lys Leu Ala Glu Cys Ala Arg
1 5

<210> 264

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 264

Glu Ser Lys Leu Glu Glu Cys Ala Arg
1 5

<210> 265

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 265

Asp Val Lys Leu Ala Glu Cys Ala Arg
1 5

<210> 266

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 266

Glu Leu Gln Leu Glu Glu Cys Ala Arg
1 5

<210> 267

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 267

Glu	Tyr	Lys	Leu	Ala	Ser	Cys	Ala	Arg
1				5				

<210> 268

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 268

Arg	Leu	Ser	Ile	Cys	Glu	Glu	Lys	Leu	Arg	Glu	Cys	Ala	Arg	Gly	Cys
1				5					10					15	

<210> 269

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 269

Pro	Leu	Thr	Thr	Cys	Glu	Ala	Arg	Leu	Ala	Glu	Cys	Ala	Arg	Gln	Leu
1				5					10					15	

<210> 270

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 270

Leu	Ala	Leu	Cys	Met	Lys	Leu	Met	Glu	Cys	Ala	Arg	Arg	Tyr
1				5					10				

<210> 271

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 271

Glu	Leu	Val	Met	Cys	Glu	Leu	Arg	Leu	Arg	Glu	Cys	Ala	His	Arg	Ala
1				5				10						15	

<210> 272

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 272

Pro	Leu	Ala	Arg	Cys	Glu	Ala	Lys	Leu	His	Glu	Cys	Ala	Arg	Gln	Leu
1				5				10						15	

<210> 273

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 273

Leu	Leu	Ser	Val	Cys	Glu	Leu	Lys	Leu	Ala	Glu	Cys	Ala	Arg	Ser	Lys
1				5				10						15	

<210> 274

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 274

Arg	Leu	Glu	Trp	Cys	Glu	Ala	Arg	Leu	Glu	Glu	Cys	Ala	Arg	Arg	Cys
1				5				10						15	

<210> 275

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 275

Arg Leu Arg Val Val Glu Ala Lys Leu Arg Glu Cys Ala Arg Gly Arg
1 5 10 15

<210> 276

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 276

Cys Val Ala His Leu Glu Leu Arg Leu Ala Glu Cys Ala Arg Gln Ile
1 5 10 15

<210> 277

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 277

His Leu Ala Arg Cys Glu Ser Arg Leu Ala Glu Cys Ala Arg Gln Leu
1 5 10 15

<210> 278

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 278

Arg Leu Ala Leu Leu Glu Ala Lys Leu Val Glu Cys Ala Arg Arg Leu
1 5 10 15

<210> 279

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 279

Asp Leu Phe Ser Leu Glu Ser Arg Leu Arg Glu Cys Ala Arg Arg Val
1 5 10 15

<210> 280

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 280

Ala Val Pro Val Leu Glu Ala Lys Leu Ala Glu Cys Ala Arg Arg Phe
1 5 10 15

<210> 281

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 281

Tyr Leu Gln Gln Leu Gln Trp Arg Leu Glu Glu Cys Ala Arg Gly Met
1 5 10 15

<210> 282

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 282

Tyr Leu Glu Leu Cys Gln Leu Arg Leu Glu Glu Cys Ala Arg Gln Phe
1 5 10 15

Asn

<210> 283

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 283

Glu Leu His Ile Cys Glu Leu Arg Leu Glu Glu Cys Ala Arg Gly Arg
 1 5 10 15

<210> 284

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 284

Arg Val Ala Arg Cys Glu Leu Arg Leu Ala Glu Cys Ala Arg Lys Ser
 1 5 10 15

<210> 285

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 285

Tyr Leu Glu Val Leu Glu Ser Arg Leu Ala Glu Cys Ala Arg Trp Lys
 1 5 10 15

<210> 286

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 286

Glu Ala Lys Leu Leu Glu Cys Ala Arg Ala Arg
 1 5 10

<210> 287

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 287

Glu Leu Ser Leu Cys Glu Ala Arg Ala Gly Val Cys Ala Gly Ser Val
1 5 10 15

Thr Lys

<210> 288

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 288

Glu Leu Ser Leu Cys Glu Ala Lys Ala Gly Val Cys Ala Gly Ser Val
1 5 10 15

Thr Lys

<210> 289

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 289

Ala Leu Trp Gln Cys Val Ala Arg Leu Glu Glu Cys Ala Arg Ser Arg
1 5 10 15

<210> 290

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 290

Cys Leu Lys Ser Cys Glu Leu Lys Leu Asp Glu Cys Ala Arg Arg Met
1 5 10 15

<210> 291
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
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 peptide

<400> 291
 Ala Leu Gln Thr Cys Glu Trp Arg Leu Gln Glu Cys Ala Arg Ser Arg
 1 5 10 15

<210> 292
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 292
 Tyr Ile Ser Gln Cys Glu Ala Lys Leu Ala Glu Cys Ala Arg Leu Tyr
 1 5 10 15

<210> 293
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 293
 Glu Leu Ser Ser Cys Glu Ala Lys Leu Ser Glu Cys Ala Arg Arg Trp
 1 5 10 15

<210> 294
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
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 peptide

<400> 294
 Glu Leu Ser Ser Cys Glu Ala Arg Leu Ser Glu Cys Ala Arg Arg Trp
 1 5 10 15

<210> 295
 <211> 16

<212> PRT
 <213> Artificial Sequence

<220>
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 peptide

<400> 295
 Gln Leu Leu Gln Cys Glu Leu Lys Leu Leu Glu Cys Ala Arg Gln Gly
 1 5 10 15

<210> 296
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
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 peptide

<400> 296
 Glu Leu Leu Arg Cys Glu Ala Arg Leu Ala Glu Cys Ala Arg Gly Cys
 1 5 10 15

<210> 297
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
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 peptide

<400> 297
 Gln Leu Arg Gln Cys Glu Leu Arg Leu Gln Glu Cys Gly Arg His Gly
 1 5 10 15

Asn

<210> 298
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 298
 Pro Leu Thr Ser Cys Glu Gln Lys Leu Ala Glu Cys Ala Arg Arg Phe
 1 5 10 15

<210> 299
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 299
 Leu Leu Gly Met Cys Glu Leu Arg Leu Gln Glu Cys Ala Arg Ala Lys
 1 5 10 15

<210> 300
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
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 peptide

<400> 300
 Glu Leu Ser Arg Cys Glu Leu Lys Leu Glu Glu Cys Ala Arg Gly Met
 1 5 10 15

<210> 301
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 301
 Asp Cys Arg Pro Cys Glu Ser Arg Leu Glu Glu Cys Ala Arg Arg Leu
 1 5 10 15

<210> 302
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 302
 Arg Leu Ser Val Cys Glu Ala Arg Leu Glu Glu Cys Ala Arg Gln Leu
 1 5 10 15

<210> 303
 <211> 16

<212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 303
 Pro Leu Lys Met Cys Glu Ala Thr Val Gln Glu Cys Ala Arg Leu Ile
 1 5 10 15

<210> 304
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 304
 Leu Leu Leu Phe Cys Glu Ala Arg Leu Ser Glu Cys Ala Arg His Val
 1 5 10 15

<210> 305
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 305
 Ser Leu Ser Met Cys Glu Ala Arg Leu Ala Glu Cys Ala Arg Leu Leu
 1 5 10 15

<210> 306
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 306
 Pro Leu Phe Ser Cys Glu Leu Lys Leu Gln Glu Cys Ala Arg Arg Cys
 1 5 10 15

Asn

<210> 307
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 307
 Ser Leu Glu Arg Cys Tyr Ser Arg Leu Glu Glu Cys Gly Arg Arg Ile
 1 5 10 15

<210> 308
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 308
 Pro Leu Thr Ser Cys Glu Leu Arg Leu Arg Glu Cys Ala Leu Arg Ser
 1 5 10 15

Asn

<210> 309
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 309
 Lys Leu Ala Ala Cys Glu Leu Lys Leu Ala Glu Cys Ala Arg Arg Trp
 1 5 10 15

<210> 310
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 310
 Lys Leu Ala Ala Cys Glu Leu Arg Leu Ala Glu Cys Ala Arg Arg Trp
 1 5 10 15

<210> 311
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 311
 Ala Leu Thr Arg Cys Glu Leu Arg Leu Ala Glu Cys Ala Arg Lys Ile
 1 5 10 15

<210> 312
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 312
 Leu Leu Gln Gln Cys Glu Leu Lys Leu Ala Glu Cys Ala Arg Ser Ile
 1 5 10 15

<210> 313
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 313
 Gln Leu Trp Gln Cys Glu Ala Arg Leu Leu Glu Cys Ala Arg Arg Ser
 1 5 10 15

<210> 314
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
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 peptide

<400> 314
 Arg Leu Arg Leu Cys Glu Ser Arg Leu Leu Glu Cys Ala Arg Ser Leu
 1 5 10 15

<210> 315
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 315
 Gln Leu Glu Thr Cys Val Leu Lys Leu Glu Glu Cys Ala Arg Arg Cys
 1 5 10 15

Asn

<210> 316
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 316
 Ala Leu Ser Gln Cys Glu Leu Arg Leu Ala Glu Cys Ala Arg Ser Val
 1 5 10 15

Thr Lys

<210> 317
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 317
 Glu Leu Lys Leu Ala Glu Cys Ala Arg Arg Ser
 1 5 10

<210> 318
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
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 peptide

<400> 318
 Ala Leu Ser Arg Cys Glu Ser Lys Leu Ala Glu Cys Ala Arg Arg Gln
 1 5 10 15

<210> 319
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
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 peptide

<400> 319
 Leu Met Ser Thr Cys Glu Ser Lys Leu Arg Glu Cys Ala Arg Ser Leu
 1 5 10 15

<210> 320
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
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 peptide

<400> 320
 Ser Leu Gln Arg Cys Glu Tyr Lys Leu Gly Glu Cys Ala Arg Ser Leu
 1 5 10 15

<210> 321
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
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 peptide

<400> 321
 Arg Leu Glu Leu Leu Glu Ser Arg Leu Gln Glu Cys Ala Arg Gln Leu
 1 5 10 15

Asn

<210> 322
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
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 peptide

<400> 322

Gln Met Glu Trp Cys Gln Ala Arg Leu Ala Glu Cys Ala Arg Cys Cys
 1 5 10 15

Asn

<210> 323

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 323

Pro Leu Phe Ser Cys Glu Leu Lys Lys Gln Glu Cys Ala Arg Arg Cys
 1 5 10 15

Asn

<210> 324

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 324

Leu Leu Asp Lys Cys Glu Ser Arg Leu Ser Glu Cys Ala Arg Arg Leu
 1 5 10 15

<210> 325

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 325

Leu Leu Ala Arg Cys Glu Ala Arg Leu Glu Glu Cys Gly Arg Gln Cys
 1 5 10 15

<210> 326

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 326

Asp Leu Leu Tyr Cys Glu Ser Arg Leu Ala Glu Cys Gly Arg Met
1 5 10 15

<210> 327

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 327

Ala Leu Gln Met Cys Glu Trp Arg Leu Glu Glu Cys Ala Arg Arg Leu
1 5 10 15

<210> 328

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 328

Leu Leu Thr Met Cys Glu Ala Arg Leu Ser Glu Cys Gly Arg Arg Leu
1 5 10 15

<210> 329

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 329

Ala Leu Trp Arg Cys Glu Ser Arg Leu Ala Glu Cys Ala Arg Arg Ser
1 5 10 15

<210> 330

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 330

Leu	Leu	Ala	Thr	Cys	Ala	Ala	Arg	Leu	Ala	Glu	Cys	Ala	Arg	Gln	Leu
1				5				10						15	

<210> 331

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 331

Leu	Gln	Thr	Cys	Glu	Trp	Lys	Leu	Ala	Glu	Cys	Ala	Arg	Ser	Asn
1				5				10						15

<210> 332

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 332

Pro	Leu	Arg	Ser	Cys	Glu	Ser	Lys	Leu	Glu	Glu	Cys	Ala	Arg	Gln	Leu
1				5				10						15	

<210> 333

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 333

Cys	Leu	Arg	Ala	Leu	Asp	Val	Lys	Leu	Ala	Glu	Cys	Ala	Arg	His	Leu
1				5				10						15	

<210> 334

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 334

Arg	Leu	Lys	Thr	Leu	Glu	Leu	Gln	Leu	Glu	Glu	Cys	Ala	Arg	Arg	Ser
1				5				10						15	

<210> 335

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 335

Lys	Leu	Arg	Asp	Val	Glu	Leu	Lys	Leu	Ala	Glu	Cys	Ala	Arg	Arg	Ser
1				5				10						15	

<210> 336

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 336

Ser	Leu	Gln	Arg	Cys	Glu	Tyr	Lys	Leu	Ala	Ser	Cys	Ala	Arg	Ser	Leu
1				5				10						15	

<210> 337

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 337

Arg	Leu	Ala	Arg	Cys	Glu	Leu	Arg	Leu	Ala	Glu	Cys	Ala	Arg	Lys	Ser
1				5				10						15	

<210> 338

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 338

Asp	Leu	Trp	Tyr	Leu	Glu	Ser	Lys	Leu	Glu	Glu	Cys	Ala	Arg	Arg	Cys
1				5					10					15	

Asn

<210> 339

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 339

Asp	Leu	Trp	Tyr	Leu	Glu	Ser	Lys	Leu	Glu	Glu	Cys	Ala	Arg	Arg	Ala
1				5					10					15	

Asn Gly

<210> 340

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 340

Asp	Leu	Trp	Tyr	Leu	Glu	Ser	Lys	Leu	Glu	Glu	Cys	Ala	Arg	Arg	Cys
1				5					10					15	

Asn Gly

<210> 341

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 341

Lys	Gln	Arg	Glu	Leu	Glu	Leu	Lys	Leu	Ala	Glu	Cys	Ala	Arg	Arg	Ser
1				5					10					15	

<210> 342
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 342
Gln Met Gln Glu Trp Cys Ala Arg Leu Ala Glu Cys Ala Arg Cys Cys
1 5 10 15

Asn

<210> 343
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 343
Leu Leu Asp Ile Cys Glu Leu Lys Leu Gln Glu Cys Ala Arg Arg Ala
1 5 10 15

Asn

<210> 344
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 344
Ala Glu Arg Lys Ala Glu Glu Arg Arg Trp
1 5 10

<210> 345
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 345
Ala Glu Arg Tyr Ala Glu Glu Arg Glu Gly
1 5 10

<210> 346
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 346
Ala Glu Arg Met Ala Glu Glu Arg Arg Trp
1 5 10

<210> 347
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 347
Ala Glu Arg Lys Ala Glu Glu Arg Arg Arg
1 5 10

<210> 348
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 348
Ala His Arg Asn Ala Glu Glu Arg Arg Trp
1 5 10

<210> 349
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 349

Ala Glu Arg Lys Ser Glu Asp Trp Arg Trp
1 5 10

<210> 350

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 350

Ala Glu Arg Lys Ala Glu Glu Lys Arg Arg
1 5 10

<210> 351

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 351

Ala Glu Arg Gln Ala Glu Thr Arg Arg Trp
1 5 10

<210> 352

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 352

Ala Glu Arg Asn Ala Glu Glu Arg Arg Trp
1 5 10

<210> 353

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 353

Ala Glu Arg Gln Ala Glu Glu Arg Arg Trp
1 5 10

<210> 354

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 354

Ala Glu Arg Arg Ala Glu Glu Arg Arg Trp
1 5 10

<210> 355

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 355

Ala Glu Arg Asp Ala Glu Gln Arg Arg Trp
1 5 10

<210> 356

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 356

Ala Glu Arg Ile Ala Glu Glu Arg Arg Trp
1 5 10

<210> 357

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 357

Ala Glu Arg Ser Ala Glu Glu Arg Arg Trp
1 5 10

<210> 358

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 358

Ala Glu Arg Lys Ala Glu Glu Leu Arg Trp
1 5 10

<210> 359

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 359

Ala Glu Arg Lys Ala Glu Glu Ser Arg Trp
1 5 10

<210> 360

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 360

Glu Glu Arg Lys Ala Glu Glu Arg Arg Trp
1 5 10

<210> 361

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 361

Ala Asp Gly Lys Ala Glu Glu Arg Arg Trp
1 5 10

<210> 362

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 362

Ala Asp Gly Lys Ala Glu Glu Leu Arg Trp
1 5 10

<210> 363

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 363

Ala Asp Gly Met Pro Glu Glu Arg Arg Trp
1 5 10

<210> 364

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 364

Ala Asp Gly Glu Ala Glu Lys Arg Arg Trp
1 5 10

<210> 365

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 365

Ala Asp Gly Asn Ala Glu Glu Arg Arg Trp
1 5 10

<210> 366

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 366

Ala Asp Gly Glu Ala Glu Lys Ala Arg Trp
1 5 10

<210> 367

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 367

Ala Glu Gly Glu Ala Glu Lys Ala Arg Trp
1 5 10

<210> 368

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 368

Gly Glu Arg Lys Ala Glu Glu Arg Arg Trp
1 5 10

<210> 369

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 369

Ala Glu Arg Glu Ala Glu Glu Arg Arg Trp
1 5 10

<210> 370

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 370

Ala Asp Gly Glu Ala Glu Ala Arg Arg Trp
1 5 10

<210> 371

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 371

Ala Asp Gly Arg Ala Glu Glu Ala Arg Trp
1 5 10

<210> 372

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 372

Ala Glu Gly Arg Ala Glu Glu Ala Arg Trp
1 5 10

<210> 373

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 373

Ala Glu Arg Glu Ala Glu Lys Ala Arg Trp
1 5 10

<210> 374

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 374

Ala Glu Arg Lys Ala Glu Glu Gln Arg Trp
1 5 10

<210> 375

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 375

Ala Glu Arg Asp Ala Glu Lys Arg Arg Trp
1 5 10

<210> 376

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 376

Ala Glu Arg Glu Ala Glu Lys Leu Arg Trp
1 5 10

<210> 377

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 377

Met	Leu	Ala	Glu	Arg	Lys	Ala	Glu	Glu	Arg	Arg	Trp	Phe	Asn	Thr	His
1					5				10					15	

Gly Arg Glu

<210> 378

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 378

Met	Leu	Ala	Glu	Arg	Lys	Ala	Glu	Glu	Arg	Arg	Trp	Phe	Asn	Thr	His
1					5				10					15	

Gly	Arg	Glu	Lys
			20

<210> 379

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 379

Gly	Gly	Gly	Met	Leu	Ala	Glu	Arg	Lys	Ala	Glu	Glu	Arg	Arg	Trp	Phe
1				5					10					15	

Asn	Thr	His	Gly	Arg	Glu
					20

<210> 380

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 380

Cys	Met	Leu	Ala	Glu	Arg	Lys	Ala	Glu	Glu	Arg	Arg	Trp	Phe	Asn	Thr
1				5					10					15	

His	Gly	Arg	Glu
			20

<210> 381
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 381
 Cys Met Leu Ala Glu Arg Lys Ala Glu Glu Arg Arg Trp Phe Asn Thr
 1 5 10 15

His Gly Arg Glu Lys
 20

<210> 382
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 382
 Met Leu Ala Glu Arg Tyr Ala Glu Glu Arg Glu Gly Phe Asn Met Gln
 1 5 10 15

Trp Arg Glu

<210> 383
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 383
 Met Leu Ala Glu Arg Met Ala Glu Glu Arg Arg Trp Phe Arg Arg Met
 1 5 10 15

Gly

<210> 384
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 384

Ile	Val	Ala	Glu	Arg	Lys	Ala	Glu	Glu	Arg	Arg	Arg	Leu	Asn	Thr	Glu
1				5					10					15	

Gly His Glu

<210> 385

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 385

Ile	Leu	Ala	His	Arg	Asn	Ala	Glu	Glu	Arg	Arg	Trp	Phe	Gln	Lys	His
1				5					10					15	

Gly Arg

<210> 386

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 386

Met	Leu	Ala	Glu	Arg	Lys	Ser	Glu	Asp	Trp	Arg	Trp	Leu	Lys	Thr	His
1				5					10					15	

Gly Arg Asp

<210> 387

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 387

Met	Leu	Ala	Glu	Arg	Lys	Ala	Glu	Glu	Lys	Arg	Arg	Leu	Lys	Thr	Gln
1				5					10					15	

Gly Arg Glu

<210> 388
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 peptide

<400> 388
 Ile Leu Ala Glu Arg Gln Ala Glu Thr Arg Arg Trp Met Arg Asn Ala
 1 5 10 15

Gly Ser Val Thr Lys
 20

<210> 389
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 peptide

<400> 389
 Met Leu Ala Glu Arg Asn Ala Glu Glu Arg Arg Trp Leu Lys Arg Gln
 1 5 10 15

Cys Gly

<210> 390
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 peptide

<400> 390
 Met Leu Ala Glu Arg Gln Ala Glu Glu Arg Arg Trp Leu Lys Met His
 1 5 10 15

Gly Gly Glu

<210> 391
 <211> 19

<212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 391
 Met Leu Ala Glu Arg Arg Ala Glu Glu Arg Arg Trp Leu Lys Thr Gln
 1 5 10 15

Gly Gly Asp

<210> 392
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 392
 Met Leu Ala Glu Arg Gln Ala Glu Glu Arg Arg Trp Leu Lys Thr Gln
 1 5 10 15

Gly Arg Asp

<210> 393
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 393
 Met Leu Ala Glu Arg Lys Ala Glu Glu Arg Arg Trp Phe Lys Thr His
 1 5 10 15

Gly Arg Glu

<210> 394
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 394

Met	Leu	Ala	Glu	Arg	Lys	Ala	Glu	Glu	Arg	Arg	Trp	Phe	Asn	Asn	Gln
1				5					10					15	

Gly Arg Glu

<210> 395

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 395

Met	Pro	Ala	Glu	Arg	Asp	Ala	Glu	Gln	Arg	Arg	Trp	Leu	Lys	Thr	His
1				5					10					15	

Gly Arg Glu

<210> 396

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 396

Ile	Leu	Ala	Glu	Arg	Ile	Ala	Glu	Glu	Arg	Arg	Trp	Leu	Lys	Thr	Gln
1				5					10					15	

Gly Arg

<210> 397

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 397

Met	Leu	Ala	Glu	Arg	Lys	Ala	Glu	Glu	Arg	Arg	Trp	Leu	Gln	Thr	His
1				5					10					15	

Gly Arg Glu

<210> 398
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 398
 Ile Leu Ala Glu Arg Ser Ala Glu Glu Arg Arg Trp Leu Lys Thr Gln
 1 5 10 15

Gly Arg Glu

<210> 399
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 399
 Leu Leu Ala Glu Arg Lys Ala Glu Glu Leu Arg Trp Leu Lys Thr His
 1 5 10 15

Gly Arg Glu

<210> 400
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 400
 Met Leu Ala Glu Arg Lys Ala Glu Glu Arg Arg Trp Leu Gln Thr His
 1 5 10 15

Gly Arg Glu

<210> 401
 <211> 12
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 401

Met	Leu	Ala	Glu	Arg	Asn	Ala	Glu	Glu	Arg	Arg	Trp
1				5					10		

<210> 402

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 402

Met	Phe	Ala	Glu	Arg	Lys	Ala	Glu	Glu	Ser	Arg	Trp	Leu	Gln	Ser	Gln
1				5					10					15	

Gly Arg Glu

<210> 403

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 403

Met	Leu	Glu	Glu	Arg	Lys	Ala	Glu	Glu	Arg	Arg	Trp	Leu	Lys	Thr	His
1				5					10					15	

Gly Arg

<210> 404

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 404

Met	Leu	Ala	Glu	Arg	Lys	Ala	Glu	Glu	Arg	Arg	Trp	Leu	Lys	Met	Gln
1				5					10					15	

Gly Arg Glu

<210> 405
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 405
Met Leu Ala Glu Arg Asn Ala Glu Glu Arg Arg Trp Phe Tyr Thr His
1 5 10 15

Gly Arg Glu

<210> 406
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 406
Met Leu Ala Asp Gly Lys Ala Glu Glu Arg Arg Trp Leu Lys Thr His
1 5 10 15

Gly Leu Asp

<210> 407
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 407
Met Ile Ala Asp Gly Lys Ala Glu Glu Arg Arg Trp Leu Lys Thr His
1 5 10 15

Gly Arg Asp

<210> 408
<211> 19
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 408

Met	Leu	Ala	Asp	Gly	Lys	Ala	Glu	Glu	Leu	Arg	Trp	Leu	Lys	Thr	Gln
1				5					10					15	

Gly Ser Asp

<210> 409

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 409

Met	Leu	Ala	Glu	Arg	Asn	Ala	Glu	Glu	Arg	Arg	Trp	Leu	Lys	Thr	His
1				5					10					15	

Gly Arg Asp

<210> 410

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 410

Met	Leu	Ala	Asp	Gly	Lys	Ala	Glu	Glu	Leu	Arg	Trp	Leu	Lys	Thr	Gln
1				5					10					15	

Gly Arg Glu

<210> 411

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 411

Ile	Leu	Ala	Asp	Gly	Lys	Ala	Glu	Glu	Arg	Arg	Trp	Leu	Lys	Thr	His
1				5					10					15	

Gly Arg Asp

<210> 412
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 412
 Met Leu Ala Asp Gly Met Pro Glu Glu Arg Arg Trp Leu Gln Thr His
 1 5 10 15

Gly Arg Asp

<210> 413
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 413
 Met Leu Ala Asp Gly Glu Ala Glu Lys Arg Arg Trp Leu Asn Thr His
 1 5 10 15

Gly Arg Asp

<210> 414
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 414
 Met Leu Ala Asp Gly Asn Ala Glu Glu Arg Arg Trp Leu Met Thr His
 1 5 10 15

Gly Arg Asp

<210> 415
 <211> 19

<212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 415
 Met Leu Ala Asp Gly Glu Ala Glu Lys Ala Arg Trp Leu Lys Thr Gln
 1 5 10 15

Gly Arg Glu

<210> 416
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 416
 Met Leu Ala Glu Gly Glu Ala Glu Lys Ala Arg Trp Leu Lys Thr Gln
 1 5 10 15

Gly Arg Glu

<210> 417
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 417
 Met Leu Ala Asp Gly Lys Ala Glu Glu Arg Arg Trp Leu Lys Thr Gln
 1 5 10 15

Gly Arg Glu

<210> 418
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 418
 Met Leu Ala Glu Arg Lys Ala Glu Glu Arg Arg Trp Leu Ser Ala His
 1 5 10 15

Val Arg Glu

<210> 419
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 419
 Leu Leu Gly Glu Arg Lys Ala Glu Glu Arg Arg Trp Tyr Lys Thr His
 1 5 10 15

Ala Arg Glu

<210> 420
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 420
 Met Leu Ala Glu Arg Lys Ala Glu Glu Arg Arg Trp Leu Met Thr His
 1 5 10 15

Gly His Asp

<210> 421
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 421
 Met Leu Ala Glu Arg Lys Ala Glu Glu Arg Arg Trp Leu Lys Ser Gln
 1 5 10 15

Cys Leu Glu

<210> 422
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 422
 Leu Leu Ala Glu Arg Glu Ala Glu Glu Arg Arg Trp Phe Lys Thr His
 1 5 10 15

Gly Arg Glu

<210> 423
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 423
 Met Leu Ala Asp Gly Arg Ala Glu Ala Arg Arg Trp Phe Asn Met His
 1 5 10 15

Gly Arg Glu

<210> 424
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 424
 Met Leu Ala Asp Gly Arg Ala Glu Glu Ala Arg Trp Leu Lys Thr Gln
 1 5 10 15

Gly Ser Glu

<210> 425
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 425

Met	Leu	Ala	Glu	Gly	Arg	Ala	Glu	Glu	Ala	Arg	Trp	Leu	Lys	Thr	Gln
1				5					10					15	

Gly Ser Glu

<210> 426

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 426

Met	Leu	Ala	Glu	Arg	Glu	Ala	Glu	Lys	Ala	Arg	Trp	Leu	Lys	Thr	Gln
1				5					10					15	

Gly Arg Glu

<210> 427

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 427

Met	Met	Ala	Glu	Arg	Lys	Ala	Glu	Glu	Gln	Arg	Trp	Phe	Asp	Ile	His
1				5					10					15	

Gly Arg Asp

<210> 428

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 428

Leu	Thr	Ala	Glu	Arg	Asp	Ala	Glu	Lys	Arg	Arg	Trp	Leu	Leu	Thr	His
1				5					10					15	

Gly Gly Glu

<210> 429
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 429
 Met Leu Ala Glu Arg Gln Ala Glu Glu Arg Arg Trp Leu Lys Ser Gln
 1 5 10 15

Arg Gly Glu

<210> 430
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 430
 Leu Leu Ala Glu Arg Lys Ala Glu Glu Arg Arg Trp Phe Ala Thr His
 1 5 10 15

Gly Arg Asp

<210> 431
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 431
 Met Leu Ala Glu Arg Glu Ala Glu Lys Leu Arg Trp Leu Lys Ser Gln
 1 5 10 15

Glu Arg Ala

<210> 432
 <211> 19

<212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 432
 Met Leu Ala Glu Arg Lys Ala Glu Glu Arg Arg Trp Leu Lys Thr His
 1 5 10 15

Gly Gly Glu

<210> 433
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 433
 Cys Thr Trp Thr Asp Leu Glu Ser Val Tyr
 1 5 10

<210> 434
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 434
 His Thr Thr Asn Glu Gln Phe Phe Met Cys
 1 5 10

<210> 435
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 435
 Asp Thr Trp Leu Glu Leu Glu Ser Arg Tyr
 1 5 10

<210> 436
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 436
His Asn Ser Ser Pro Met Val Gly Val Thr
1 5 10

<210> 437
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 437
Asp Trp Gln Lys Thr Ile Pro Ala Tyr Trp
1 5 10

<210> 438
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 438
Arg Trp Gly Arg Glu Gly Leu Val Ala Ala Leu Leu
1 5 10

<210> 439
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 439
Trp Ser Gly Thr Arg Val Trp Arg Cys Val Val Thr
1 5 10

<210> 440
<211> 9

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 440

Met Ser Leu Leu Ser Tyr Leu Arg Ser
1 5

<210> 441

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 441

Leu Asp Leu Leu Ala Ile
1 5

<210> 442

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 442

Arg Ile Tyr Gly Val Lys
1 5

<210> 443

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 443

Met Ile Trp His Met Phe Met Ser Leu Leu Phe
1 5 10

<210> 444

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 444

Phe Phe Trp Ala Ser Trp Met His Leu Leu Trp
1 5 10

<210> 445

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 445

Phe Asp Asp Cys Trp Arg Glu Arg Glu Gln Phe Leu Phe Gln Ala Leu
1 5 10 15

<210> 446

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 446

Cys Gly Arg Ala Ser Glu Cys Phe Arg Leu Leu Glu Met
1 5 10

<210> 447

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 447

Arg Glu Cys Phe Gln Met Leu Glu Arg
1 5

<210> 448

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 448

Cys Ser Ile Arg Trp Asp Phe Val Pro Gly Tyr Gly Leu Cys
1 5 10

<210> 449

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 449

Trp Met Gln Cys Trp Asp Ser Leu Ser Leu Cys Tyr Asp Met
1 5 10

<210> 450

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 450

Ala Leu Leu Met Cys Glu Ser Lys Leu Ala Glu Cys Ala Arg Ala Arg
1 5 10 15

<210> 451

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 451

Leu Ala His Cys Lys Lys Arg Lys Glu Glu Cys Ala Ala Gly
1 5 10

<210> 452

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 452

Ser	Ile	Asp	Gly	Val	Tyr	Leu	Arg	Thr	Ser	Arg	Thr
1				5					10		

<210> 453

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 453

Ser	Ile	Asp	Gly	Val	Tyr	Leu	Arg	Thr	Arg	Ser	Arg	Thr	Arg	Tyr
1				5					10				15	

<210> 454

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 454

Val	Arg	Trp	Leu	Arg	Gly	Ser	Thr	Leu	Arg	Gly	Leu	Arg	Asp	Arg
1				5					10				15	

<210> 455

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 455

Asp	Arg	Gly	Gly	Gly	Thr	Val	Gly	Val	Tyr	Trp	Trp	Glu	Ser	Tyr
1				5					10				15	

<210> 456

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 456

Val	Trp	Gly	Thr	Val	Gly	Thr	Trp	Leu	Glu	Tyr
1				5				10		

<210> 457

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 457

Leu	Met	Trp	Val	Ser	Ala	Tyr
1				5		

<210> 458

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 458

Arg	Ala	Ser	Asp	Glu	Tyr	Gly	Ala	Leu	Val	Arg	Phe	Cys	Thr	Asn	Leu
1				5				10						15	

<210> 459

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 459

Asn	Tyr	Trp	Cys	Asp	Ser	Asn	Trp	Val	Cys	Glu	Ile	Ala
1				5				10				

<210> 460

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 460

Leu	Ala	His	Cys	Leu	Leu	Arg	Leu	Glu	Glu	Cys	Ala	Ala	Gly
1				5					10				

<210> 461

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 461

Leu	Ala	Leu	Cys	Leu	Ala	Arg	Leu	Arg	Glu	Cys	Ala	Gly	Gly
1				5					10				

<210> 462

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 462

Cys	Glu	Ser	Arg	Leu	Val	Glu	Cys	Ser	Arg	Met
1				5					10	

<210> 463

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 463

Leu	Leu	Asp	Ile	Ala	Glu	Leu	Lys	Leu	Gln	Glu	Cys	Ala	Arg	Arg	Cys
1				5				10						15	

Asn

<210> 464

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 464

Lys	Leu	Leu	Asp	Ile	Ala	Glu	Leu	Lys	Leu	Gln	Glu	Cys	Ala	Arg	Arg
1				5				10						15	

Cys Asn

<210> 465

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 465

Cys	Ser	Thr	Gly	Gly	Gly	Leu	Thr	Ala	Glu	Arg	Asp	Ala	Glu	Lys	Arg
1				5				10						15	

Arg	Trp	Leu	Leu	Thr	His	Gly	Gly	Glu
			20					25

<210> 466

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 466

Leu	Thr	Ala	Glu	Arg	Asp	Ala	Glu	Lys	Arg	Arg	Trp	Leu	Leu	Thr	His
1				5				10						15	

Gly	Gly	Glu	Gly	Gly
			20	

<210> 467

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 467

Leu Thr Ala Glu Arg Asp Ala Glu Lys Arg Arg Trp Leu Leu Thr His
 1 5 10 15

Gly Gly Glu Gly Gly Lys
 20

<210> 468

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 468

Leu Thr Ala Glu Arg Asp Ala Glu Lys Arg Arg Trp Leu Leu Thr His
 1 5 10 15

Gly Gly Glu Gly Gly Gly Gly
 20

<210> 469

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 469

Leu Thr Ala Glu Arg Asp Ala Glu Lys Arg Arg Trp Leu Leu Thr His
 1 5 10 15

Gly Gly Glu Gly Gly Gly Gly Lys
 20 25

<210> 470

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 470

Glu Ser Gly Trp Val Trp
 1 5

<210> 471

<211> 6

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 471

Asn Ser Gly Trp Val Trp
1 5

<210> 472

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 472

Ser Gly Trp Val Trp
1 5

<210> 473

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 473

Pro Leu Gly Lys Cys Glu Ala Thr Cys Arg Glu Met Ala Arg Tyr Phe
1 5 10 15

Asn

<210> 474

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 474

Ser Leu Gln Arg Cys Glu Tyr Lys Leu Ala Ser Val Arg Gly Leu Cys
1 5 10 15

Asn

<210> 475
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 475
 Asp Leu Trp Tyr Leu Glu Ser Lys Leu Glu Glu Ala Ala Arg Arg Cys
 1 5 10 15

Asn Gly

<210> 476
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 476
 Pro Tyr Met Gly Thr Arg Ser Arg Ala Lys Leu Leu Arg Gln Gln
 1 5 10 15

<210> 477
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 477
 Arg Asn Ala Gly Glu Arg Arg Trp Phe Lys Thr Gln Gly Trp Tyr
 1 5 10 15

<210> 478
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 478

Met	Leu	Ala	Glu	Arg	Asn	Ala	Asp	Asp	Arg	Arg	Trp	Phe	Asn	Thr	His
1				5					10					15	

Gly Arg Asp

<210> 479

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 479

Met	Met	Ala	Asp	Gly	Arg	Leu	Arg	Asn	Ser	Val	Gly	Leu	Ile	Leu	Trp
1				5				10						15	

Cys Asp

<210> 480

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 480

Met	Leu	Ala	Asp	Gly	Arg	Leu	Arg	Asn	Val	Val	Gly
1				5				10			

<210> 481

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 481

Leu	Leu	Ala	Asp	Val	Arg	Arg	Arg	Asn	Gly	Val	Gly	Leu	Leu	Arg	Met
1				5				10						15	

Gly Arg Asp

<210> 482

<211> 12

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 482

Met Leu Ala Asp Gly Arg Leu Arg Asn Phe Gly Gly
1 5 10

<210> 483

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 483

Thr Tyr Met Thr Tyr Val Tyr Trp Leu Cys
1 5 10

<210> 484

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 484

Arg Phe Gly Glu Arg Trp Gly Leu
1 5

<210> 485

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 485

His Trp Leu Trp Trp Gly Trp Asn Phe
1 5

<210> 486

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 486

Arg	Glu	Cys	Phe	Gln	Met	Leu	Glu	Arg	Cys
1				5				10	

<210> 487

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 487

Ile	Leu	Ala	His	Arg	Asn	Ala	Lys	Glu	Arg	Arg	Trp	Phe	Gln	Lys	His
1				5				10					15		

Gly Arg

<210> 488

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 488

Cys	Ser	Thr	Gly	Gly	Gly	Leu	Thr	Ala	Glu	Arg	Asp	Ala	Glu	Lys	Arg
1				5				10					15		

Arg	Trp	Leu	Leu	Thr	His	Gly	Gly	Glu	Lys
		20				25			

<210> 489

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 489

Lys	Gly	Gly	Gly	Met	Leu	Ala	Glu	Arg	Lys	Ala	Glu	Glu	Arg	Arg	Trp
1				5				10					15		

Phe Asn Thr His Gly Arg Glu
20

<210> 490
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 490
Lys Ser Thr Gly Gly Leu Thr Ala Glu Arg Asp Ala Glu Lys Arg Arg
1 5 10 15

Trp Leu Leu Thr His Gly Gly Glu
20

<210> 491
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 491
Glu Gln Ser Asn Ser Gly Trp Val Trp Val Gly Gly Gly Gly Cys Lys
1 5 10 15

Lys Lys Cys